

What is claimed is:

- 5 1. A replicable paramyxovirus vector carrying a foreign gene, wherein the foreign gene is located downstream of the genes encoding viral proteins in the negative strand genomic RNA contained within said vector.
- 10 2. A replicable paramyxovirus vector of claim 1, wherein said vector is selected from the group consisting of the vectors of (a) to (f) below,
- 15 (a) a vector in which the foreign gene is inserted between the 1st gene encoding a viral protein and the 2nd gene encoding a viral structure protein from the 3' end of the negative strand genomic RNA contained within the vector,
- 20 (b) a vector in which the foreign gene is inserted between the 2nd gene encoding a viral protein and the 3rd gene encoding viral structure protein from the 3' end of the negative strand genomic RNA contained within the vector,
- 25 (c) a vector in which the foreign gene is inserted between the 3rd gene encoding a viral protein and the 4th gene encoding viral structure protein from the 3' end of the negative strand genomic RNA contained within the vector,
- 30 (d) a vector in which the foreign gene is inserted between the 4th gene encoding a viral protein and the 5th gene encoding viral structure protein from the 3' end of the negative strand genomic RNA contained within the vector,
- 35 (e) a vector in which the foreign gene is inserted between the 5th gene encoding a viral protein and the 6th gene encoding viral structure protein from the 3' end of the negative strand genomic RNA contained within the vector, and,
- 40 (f) a vector in which the foreign gene is inserted between the 6th gene encoding a viral protein from the 3' end of the negative strand genomic RNA contained within the vector, and the trailer sequence.
3. The vector of claim 2, wherein the 1st to 6th genes encoding viral proteins from the 3' end of the negative strand genomic RNA contained within the vector are, NP gene, P gene, M gene, F gene, HN gene, and L gene, in their order.
4. A DNA corresponding to the negative strand genomic RNA contained in the paramyxovirus vector of claim 1, or their complementary strands.

5. A DNA corresponding to the negative strand genomic RNA contained in replicable paramyxovirus vector or its complementary strand, wherein said DNA comprises a cloning site for inserting a foreign gene downstream of the genes encoding viral proteins.

5 6. A DNA of claim 5, wherein said DNA is selected from the group consisting of the DNAs of (a) to (f) below,

10 (a) a DNA comprising a cloning site for inserting a foreign gene between the 1st and 2nd genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA,

15 (b) a DNA comprising a cloning site for inserting a foreign gene between the 2nd and 3rd genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA,

20 (c) a DNA comprising a cloning site for inserting a foreign gene between the 3rd and 4th genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA,

25 (d) a DNA comprising a cloning site for inserting a foreign gene between the 4th and 5th genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA,

30 (e) a DNA comprising a cloning site for inserting a foreign gene between the 5th and 6th genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA,

(f) a DNA comprising a cloning site for inserting a foreign gene between the 6th gene encoding a viral protein from the site equivalent to the 3' end of the negative strand genomic RNA and the trailer sequence.

7. The DNA of claim 6, wherein the 1st to 6th genes encoding viral proteins from the site equivalent to the 3' end of the negative strand genomic RNA contained within the vector are, NP gene, P gene, M gene, F gene, HN gene, and L gene, in their order.

8. A vector DNA carrying the DNA of claim 4 in an expressible manner.

9. The vector DNA of claim 8, which carries positive strand genomic RNA in an expressible manner.